



480TV lines

530TV lines

Smaller but more powerful performance

High Resolution Day & Night Dome Camera

SID-45C



- Superb High Quality Image of 530TV Lines
- High Sensitivity of 0.002Lux, Day&Night Function
- Excellent Noise Reduction & Disk Saving, SSNR
- OSD, Motion Detection, Privacy Masking
- Fixed Lens f 3.7mm (F2.0)



SAMSUNG

SID-45C, high resolution Day & Night dome camera opens a new chapter with a superb performance...



Superb high quality image with **530TVL** lines



Conventional camera

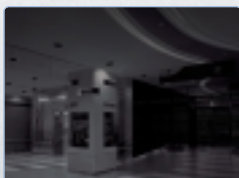


SID-45C

By combining and optimizing Samsung's experience in advanced optical technology, high performance Super HAD CCD and **WIZI** integrated DSP chip, its resolution has been developed higher than 530TVL line resulting in easier identification of objects. Its S/N ratio is over 50dB, which also contributes to a clearer image quality.



Excellent Day & Night low light sensitivity **0.002Lux**



Conventional camera



SID-45C

SID-45C employs Day & Night function to provide the best possible surveillance in its range with maximum of 0.002Lux (Sens-up) even in places where lighting is poor, such as lobby and entrance areas of buildings. In night-time conditions it automatically changes to B/W mode to provide a high quality and high resolution low-light level surveillance.

SID-45C is the newest product of Samsung Techwin Dome camera **SID series** which have proved their high quality and performance, and have been installed in apartment buildings, discount shopping centers and small shops. Even though more compact in size, the **SID-45C** high performance dome camera has manifold and excellent surveillance functions. The **SID-45C** employs an independently developed **WINNER** integrated DSP chip, which offers a Day&Night function to achieve low light level performance of 0.002Lux and higher than 530TV line of image quality for both day and night conditions. In addition there are built-in functions including the convenient OSD menu, 4 zone privacy masking and Motion Detection for more efficient surveillance. The **SID-45C** fulfills the users expectations due to its reasonable price as well as a trustworthy top level quality.

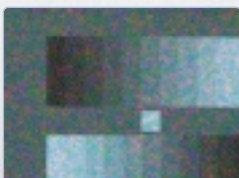


Smaller in appearance, but **Broader** surveillance range

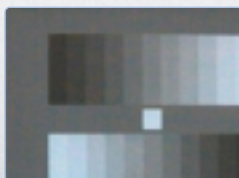
SID-45C is smaller in size and more compact compared to the previous **SID** series. The miniaturized dome camera is ideally designed for places where the camera and interior design of the building should be in harmony, such as financial businesses, discount shopping centers, building lobbies and small stores. Moreover, it has a built-in f 3.7mm fixed lens which ensures a broader surveillance range.



Samsung's unique noise reduction, **SSNR**



Conventional camera



SID-45C

The built-in **WINNER** chip of **SID-45C** uses the independently developed **SSNR** to help remove low-light level picture noise and ghost image effectively. Up to 70% of DVR HDD capacity has been reduced by achieving clearer picture quality without noise and reducing the size of recording file.

***SSNR** : Samsung Super Noise Reduction



Manifold additional functions



Convenient **OSD** / Camera **ID** Setting



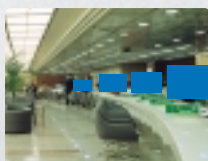
SETUP		
→ SHUTTER	ESC	↓
WHITE BAL.	ATW	
BACKLIGHT	MIDDLE	↑
AGC	MIDDLE	
SSNR	LOW	
SENS-UP	AUTO	
SPECIAL	↓	
EXIT		

OSD functions

SID-45C has an on-screen text display menu for easier selection and control of functions. It also allows you to set in the camera the names of each surveillance area.



4 Zone **Privacy Masking**



Up to 4 zones can be masked within a surveillance area where you do not wish to watch, in order to prevent potential legal problems caused by privacy invasion.



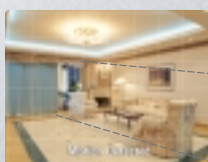
Wide Range **White Balance**



It offers a unique white balance function which automatically selects the natural color within the color temperature range of 1,800°K ~ 10,500°K resulting in excellent color presentation.



Intelligent **Motion Detection**



Motion detection function automatically detects movements occurring within the areas surveyed, which in return enables you to react quickly to a potential danger.



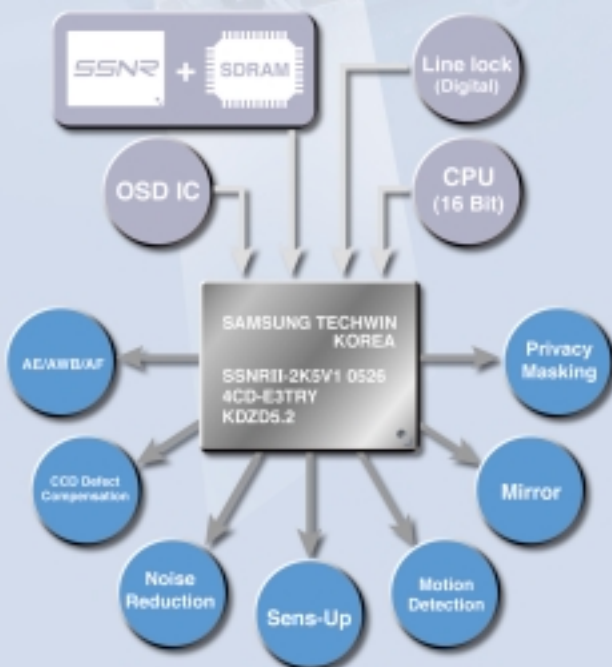
Motion Detected

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INTERIOR DOME CAMERA SID-45C

Highly integrated camera engine

WIII DSP chip

SID-45C has a built-in **WINNER///** DSP chip which was also independently developed by Samsung. In this new DSP system, **SSNR** low-light level noise reduction function and 16bit high speed CPU have been integrated resulting in a manifold surveillance performance as well as a superb high resolution image.



High Resolution Day & Night Dome Camera

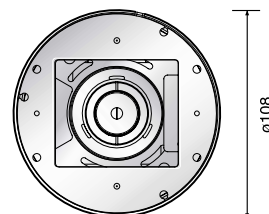
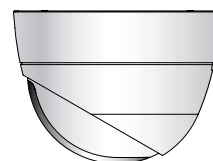
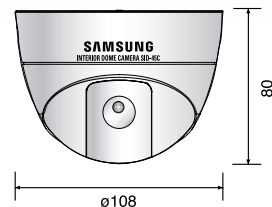
SID-45C



Specifications

Model	SID-45CN	SID-45CP
Power Source	12V DC $\pm 10\%$	
Power Consumption	Max. 1.8W	
Total Pixels	811(H) x 508(V)	795(H) x 596(V)
Effective Pixels	768(H) x 494(V)	752(H) x 582(V)
Image Pick-up Device	1/3" Super HAD CCD	
Scanning System	2 : 1 Interlace	
Scanning Frequency	15.734KHz(H) / 59.94Hz(V)	15.625KHz(H) / 50.00Hz(V)
Synchronization	Internal only	
Resolution	530TV lines	
Video Output	CVBS : 1.0Vp-p / 75 Ω	
S/N Ratio	50dB (AGC off, Weight on)	
Min. Illumination	0.3Lux / F1.2, 0.002Lux / F1.2 (Sens-up 128X)	
Day & Night	On / Auto	
BLC	Built-in	
Gain Control	Off / Low / Middle / High	
White Balance	ATW / AWC / Manual selectable (1800°K ~ 10,500°K)	
Electronic Shutter	Auto / Manual (1/60 ~ 1/120,000sec)	Auto / Manual (1/50 ~ 1/120,000sec)
Sens-up	Off / Auto (2X ~ 128X)	
OSD	Built-in	
Motion Detection	On / Off (4 Programmable zone, Screen display)	
SSNR	Off / Low / Middle / High (Noise control)	
Mirror	On / Off (Horizontal image inversion)	
Privacy Function	On / Off (4 Programmable zone)	
Lens (Built-in)	Fixed lens f=3.7mm, 92° F2.0	
Monitoring Angle	Pan	Manual 0° ~ 340°
	Tilt	Manual 30° ~ 90°
Operating Temperature	-10°C ~ +50°C	
Operating Humidity	30% ~ 90% RH	
Dimension	108(ø) x 80(H)mm	
Weight	210g	

Dimensions



www.samsungcctv.com

Design and specifications are subject to change without notice.



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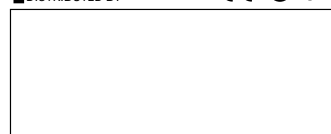
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